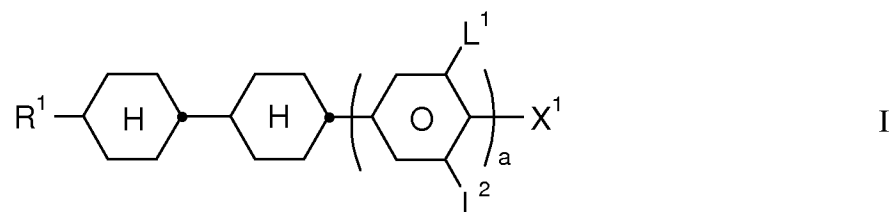


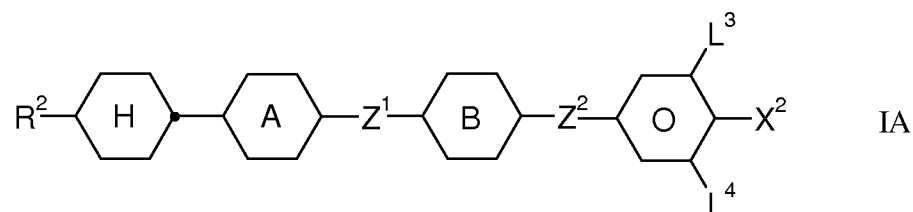
This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) Liquid-crystalline medium based on a mixture of polar compounds of positive dielectric anisotropy, comprising one or more compounds of the formula I


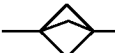



and one or more compounds of the formula IA



where the proportion of the compounds of the formula I in the medium is at least 18% by weight, and in which the individual radicals have the following meanings:

R^1 is an alkenyl radical having 2 to 8 carbon atoms,



R^2 is H, an alkyl radical having 1 to 15 carbon atoms which is halogenated, substituted by CN or CF₃ or unsubstituted, where, in addition, one or more CH₂ groups in these radicals may each, independently of one another, be replaced by -C≡C-, -CO-, -CH=CH-, -O-, ,  or  in such a way that O atoms are not linked directly to one another,

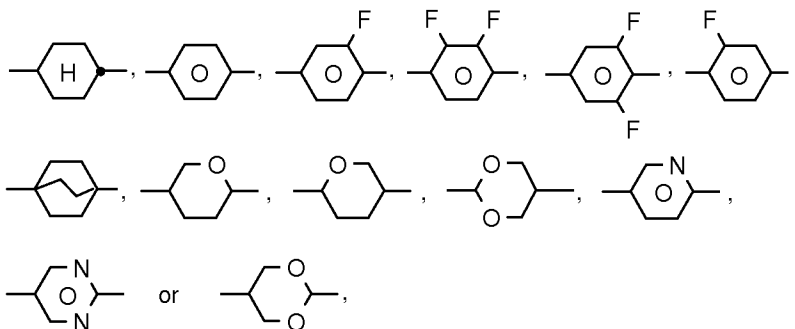
X^1 is an alkyl radical, alkenyl radical, alkoxy radical or alkenyloxy radical, each having up to 6 carbon atoms, in the case where $a = 1$ also F, Cl, CN, SF_5 , SCN, NCS or OCN,

X^2 is F, Cl, CN, SF_5 , SCN, NCS, OCN, a halogenated alkyl radical, halogenated alkenyl radical, OCF_3 , $OCHF_2$, ~~halogenated alkoxy radical~~ or halogenated alkenyloxy radical, each having up to 6 carbon atoms,

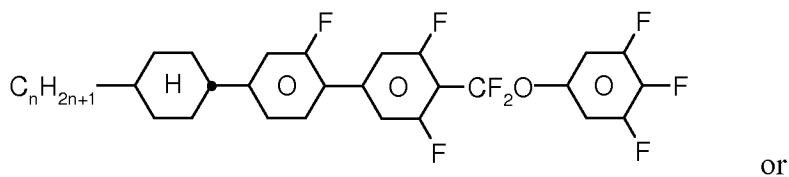
Z^1 and Z^2 are each, independently of one another, $-CF_2O-$, $-OCF_2-$ or a single bond, where $Z^1 \neq Z^2$,

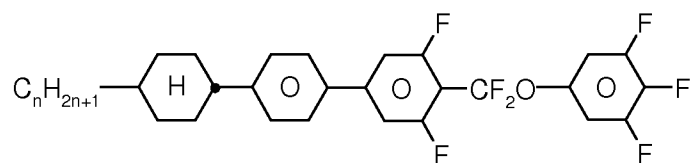
a is 0 or 1, and

 **A** and  **B** are each, independently of one another,



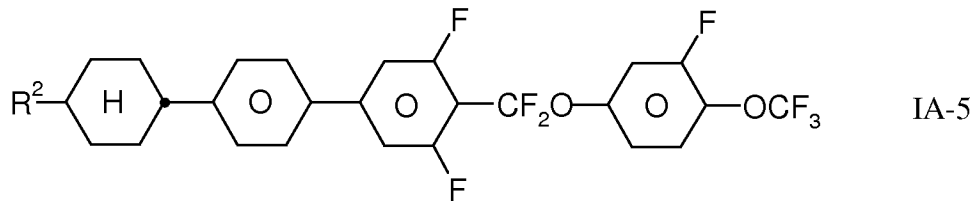
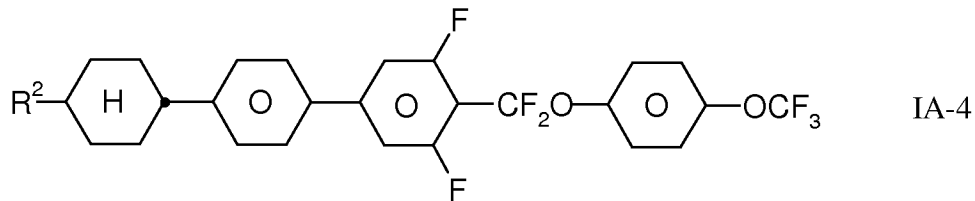
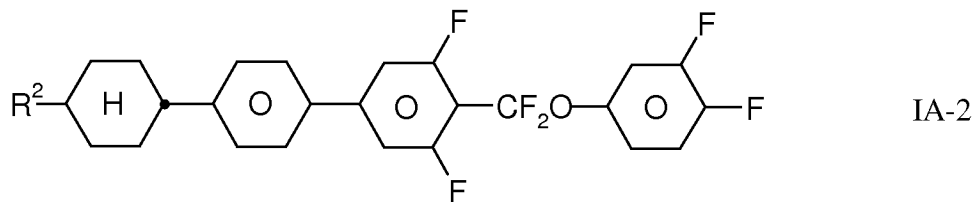
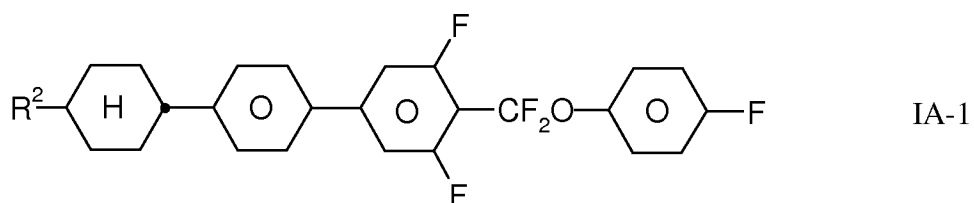
L^{1-4} are each, independently of one another, H or F, with the proviso that formula IA is not

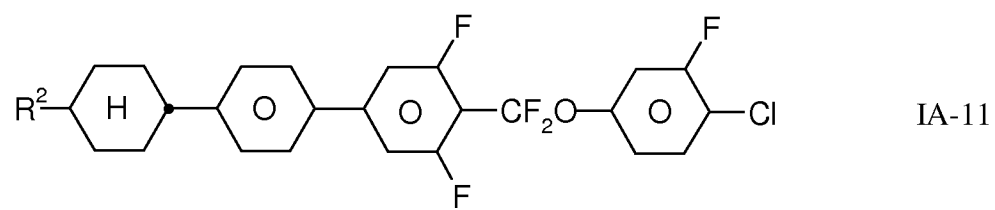
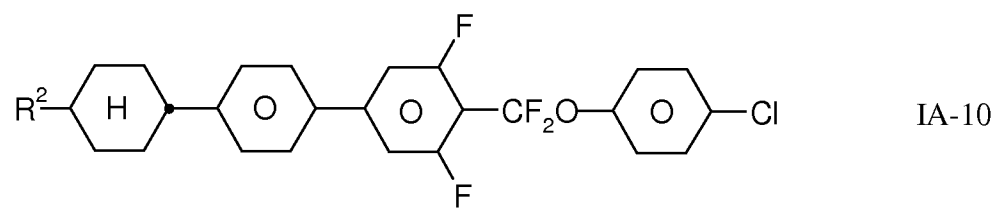
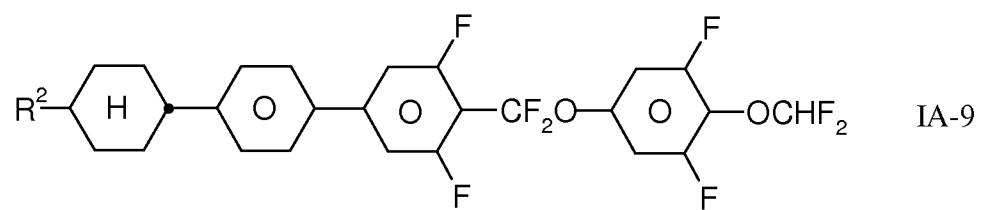
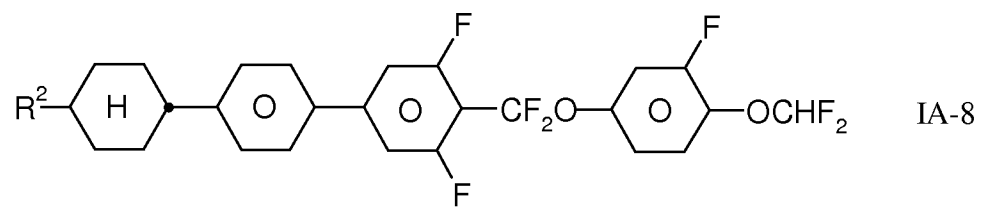
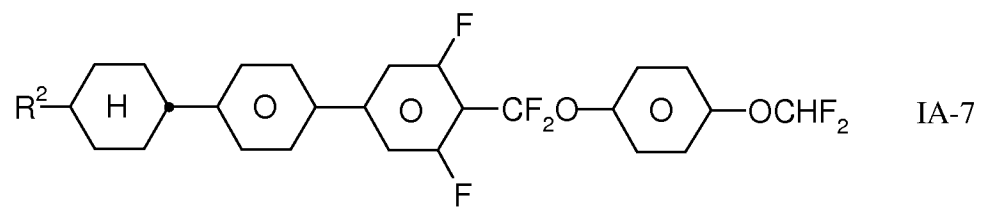
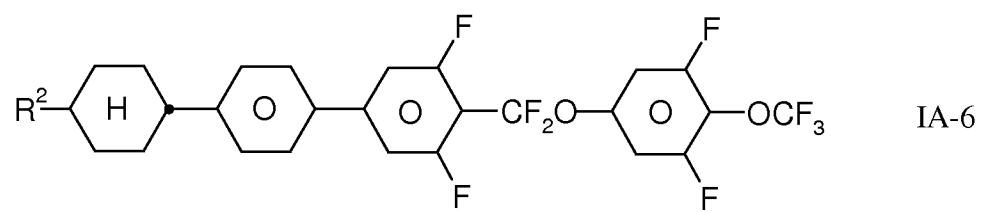


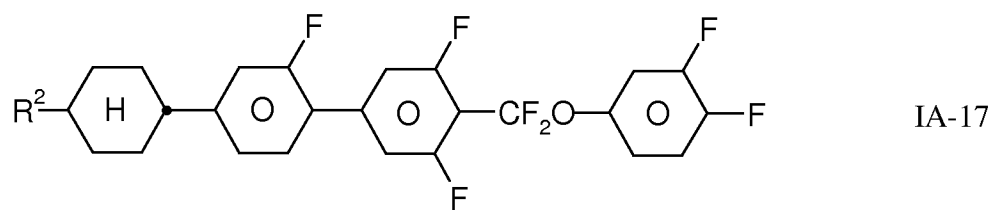
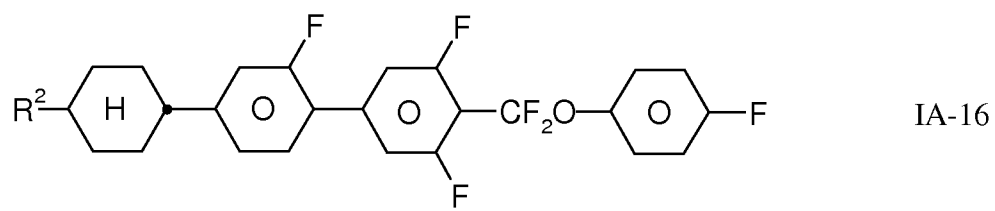
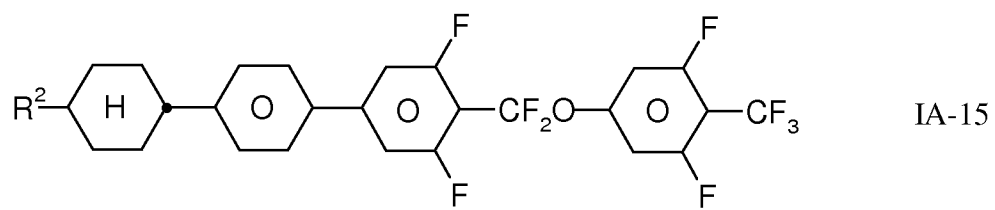
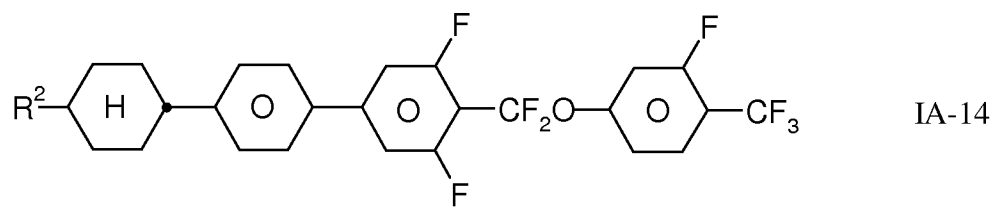
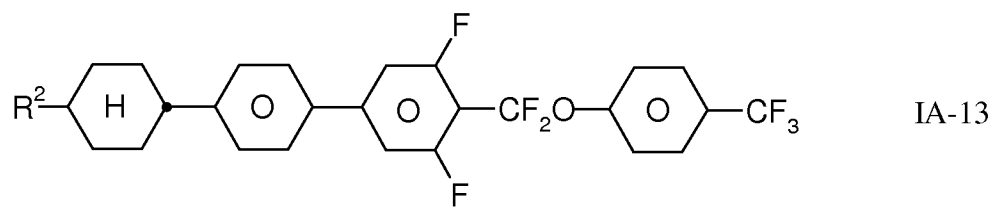
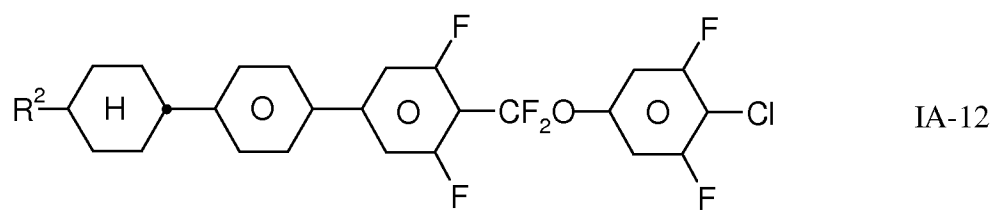


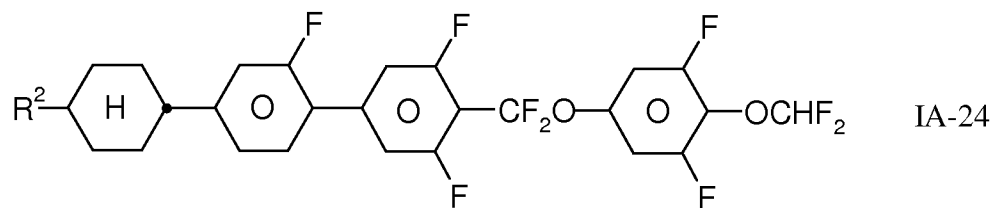
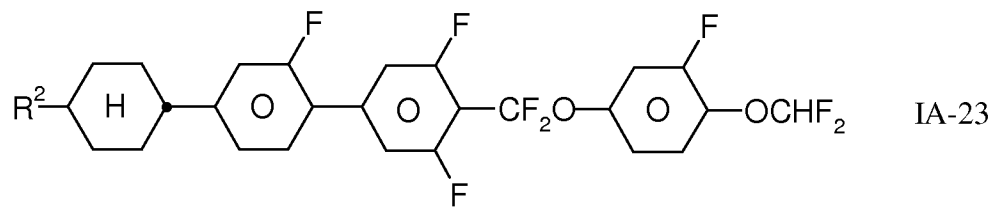
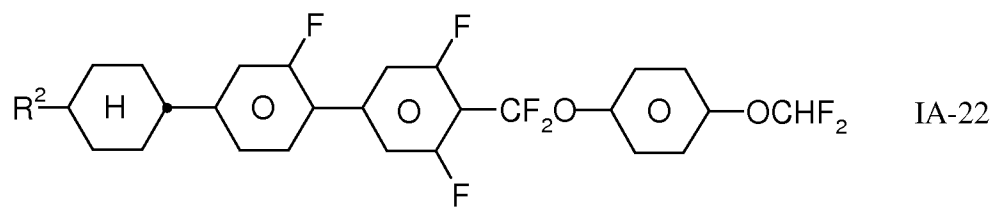
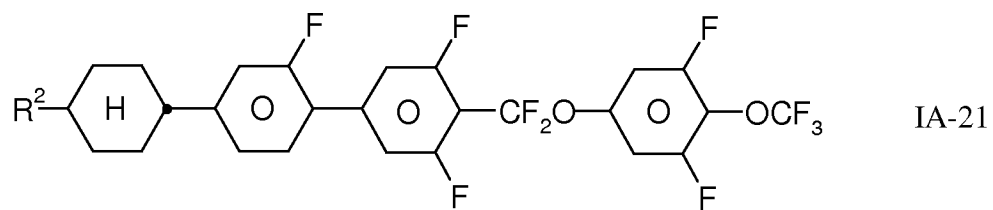
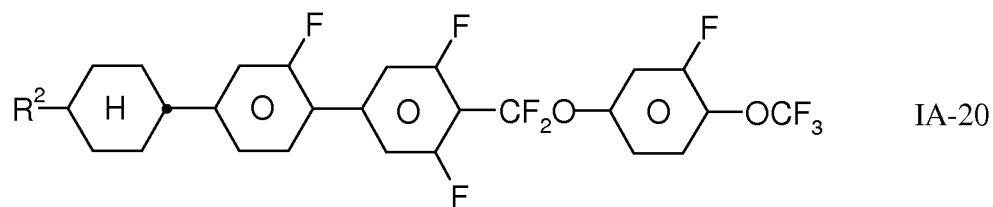
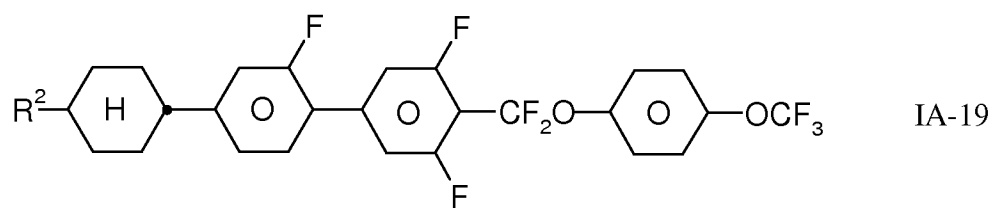
in which n is 1-15.

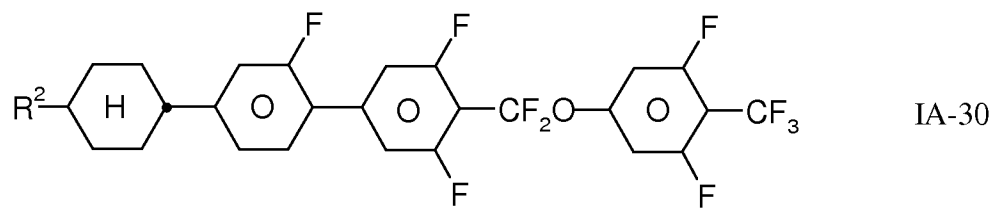
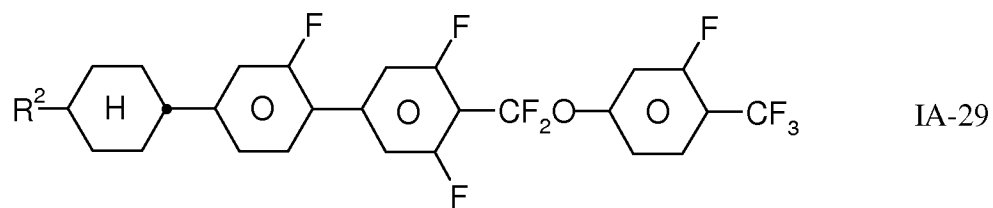
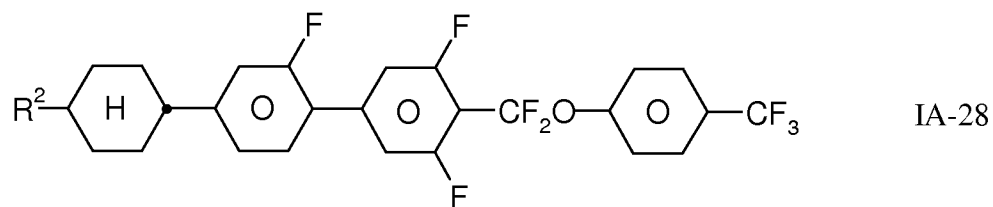
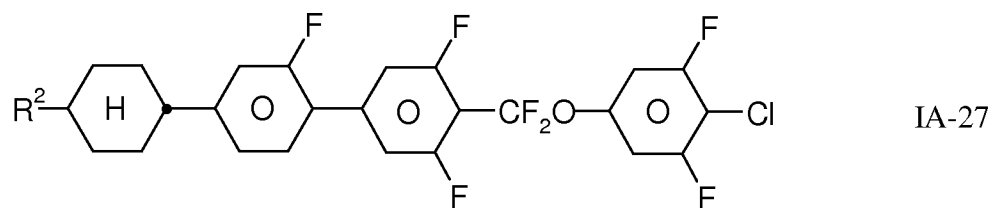
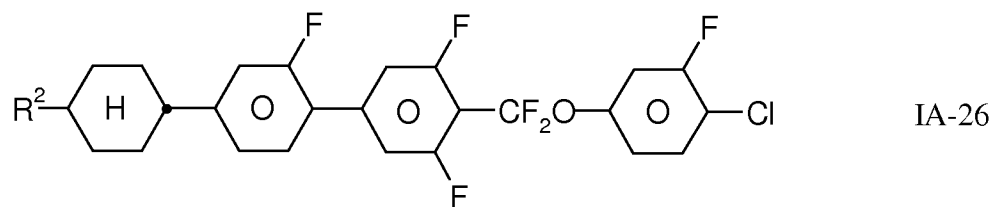
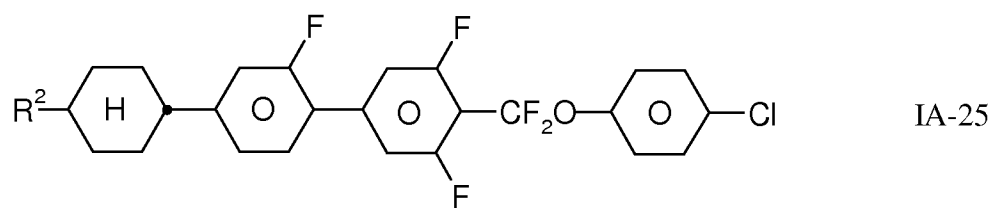
2. (Currently Amended) Liquid-crystalline medium according to Claim 1, comprising one, two or more compounds of the formulae IA-1, IA-2, IA-4 to IA-17, and IA-19 to IA-30





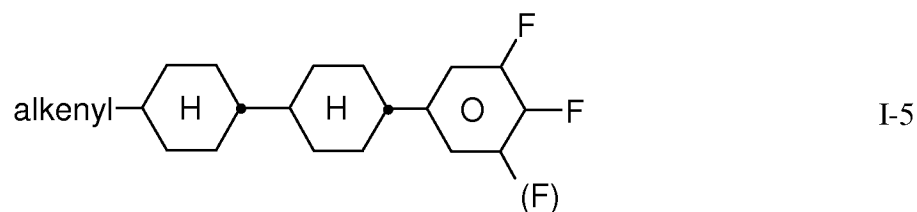
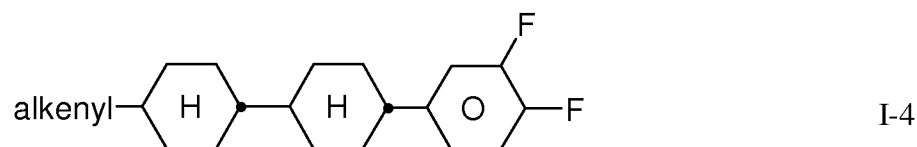
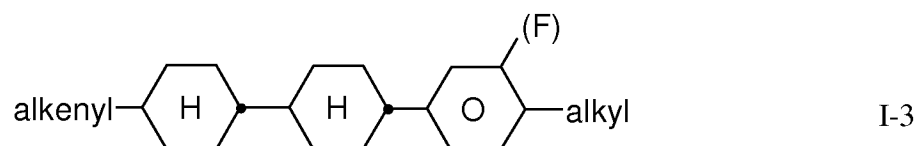
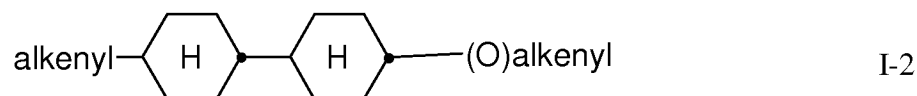
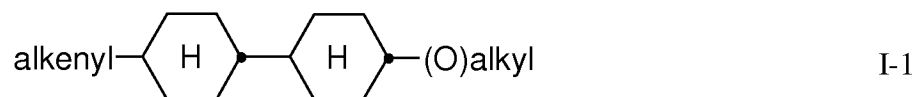






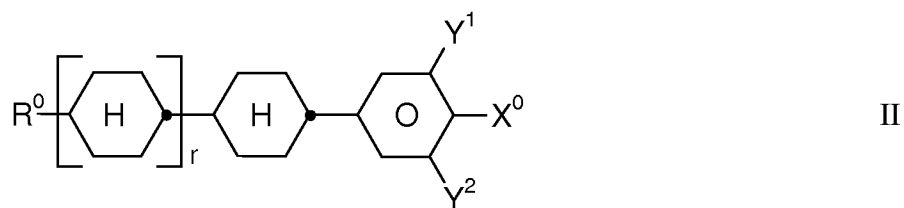
in which R² is as defined in Claim 1.

3. (Previously Presented) Liquid-crystalline medium according to Claim 1, comprising one or more compounds of the formulae I-1 to I-5

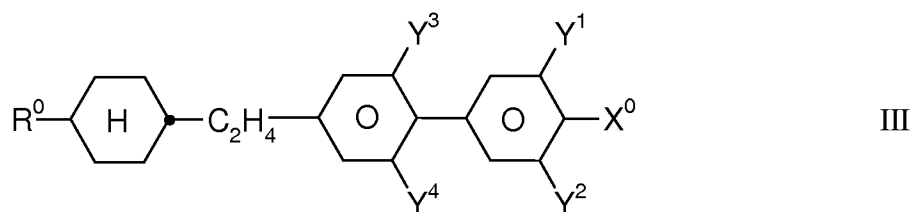


in which alkenyl is an alkenyl radical having from 2 to 8 carbon atoms and alkyl is a straight-chain alkyl radical having 1-15 carbon atoms.

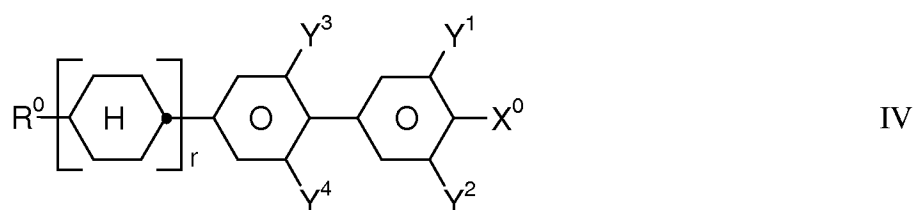
4. (Previously Presented) Liquid-crystalline medium according to Claim 1, additionally comprising one or more compounds of the formulae II, III, IV, V and VI



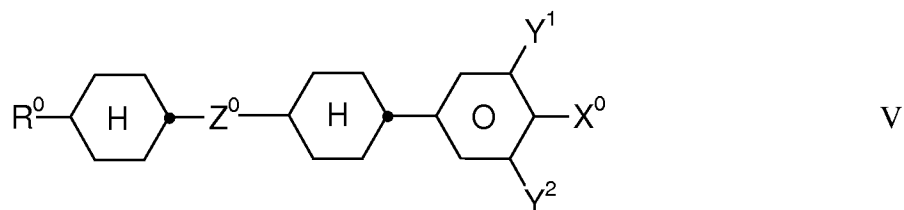
II



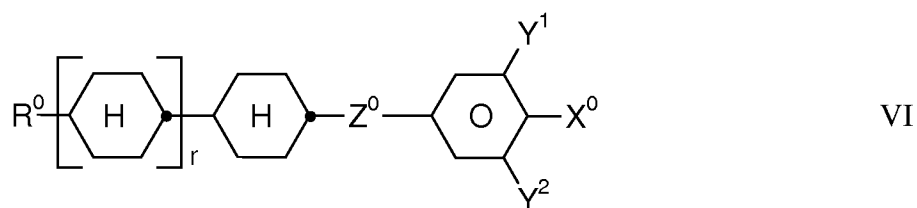
III



IV



V



VI

in which the individual radicals have the following meanings:

R^0 is H, n-alkyl, alkoxy, oxaalkyl, fluoroalkyl, alkenyloxy or alkenyl, each having up to 9 carbon atoms,

X^0 is F, Cl, halogenated alkyl, alkenyl, alkenyloxy or alkoxy having up to 6 carbon atoms,

Z^0 is $-C_2F_4-$, $-CF=CF-$, $-CH=CF-$, $-CF=CH-$, $-C_2H_4-$, $-CH=CH-$,

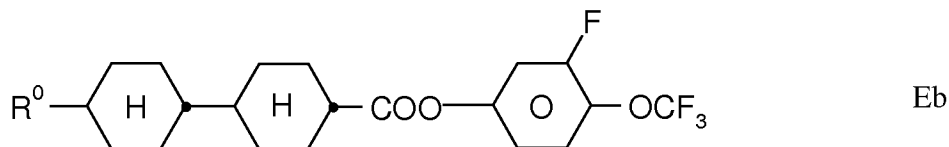
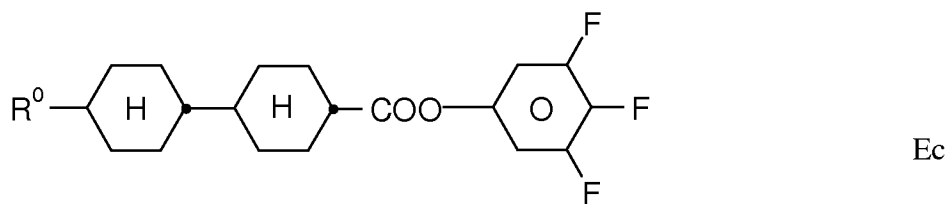
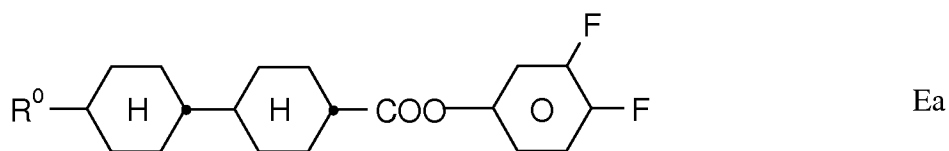
-O(CH₂)₃-, -(CH₂)₃O-, -(CH₂)₄-, -CF₂O-, -OCF₂-, -OCH₂- or -CH₂O-,

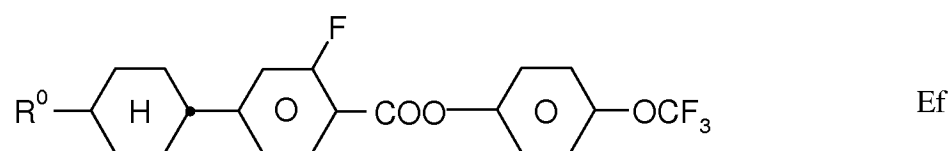
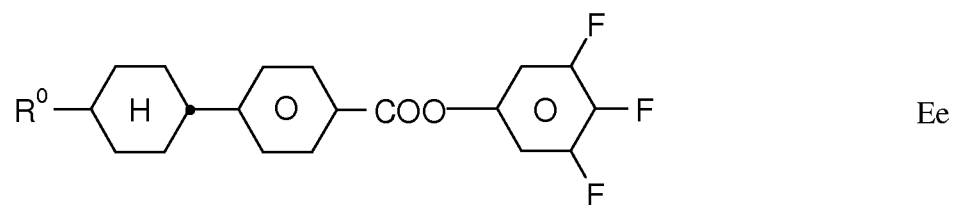
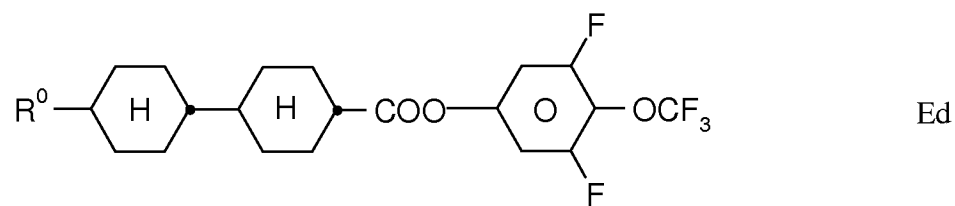
Y¹⁻⁴ are each, independently of one another, H or F,

r is 0 or 1,

and the compound of the formula II is not identical with the compound of the formula I.

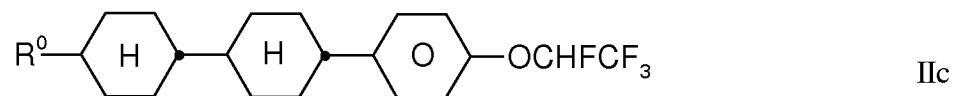
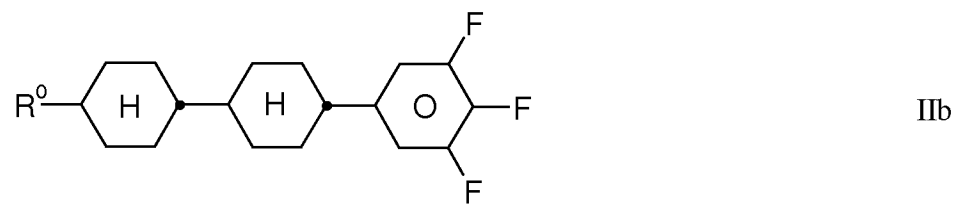
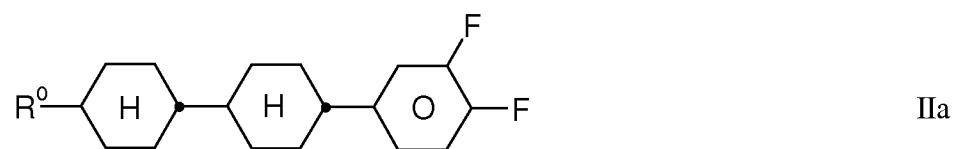
5. (Previously Presented) Liquid-crystalline medium according to Claim 4, wherein the proportion of compounds of the formulae IA and I to VI together in the mixture as a whole is at least 50% by weight.
6. (Previously Presented) Liquid-crystalline medium according to Claim 1, additionally comprising one or more compounds of the formulae Ea to Ef

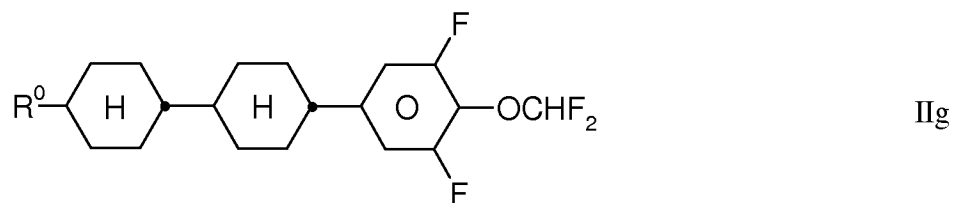
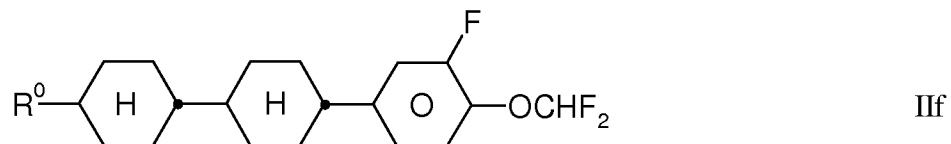
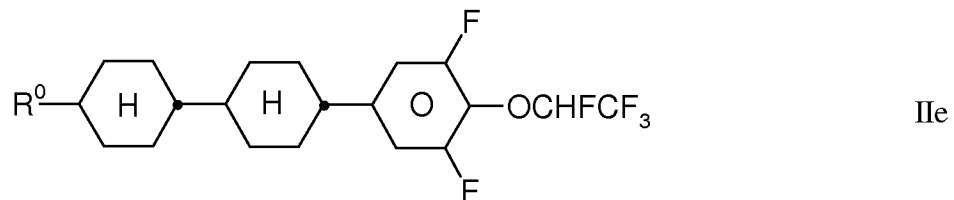
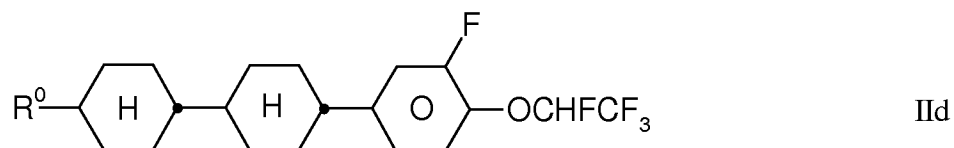




in which R⁰ is H, n-alkyl, alkoxy, oxaalkyl, fluoroalkyl, alkenyloxy or alkenyl, each having up to 9 carbon atoms.

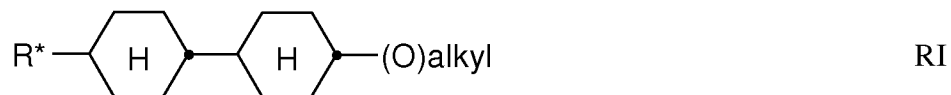
7. (Previously Presented) Liquid-crystalline medium according to Claim 1, comprising one or more compounds of the formulae IIa to IIg

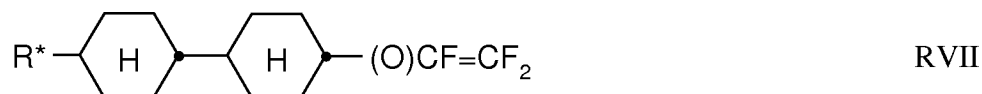
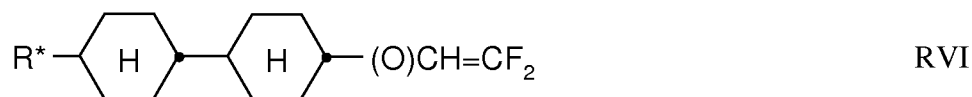
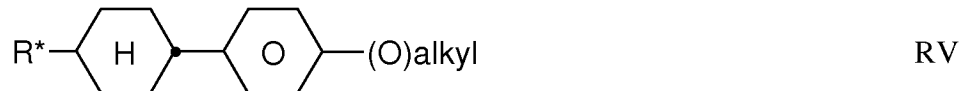
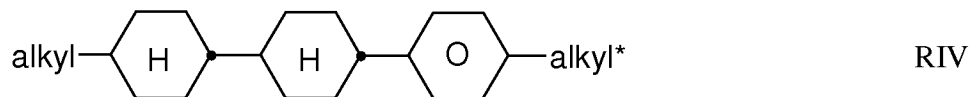
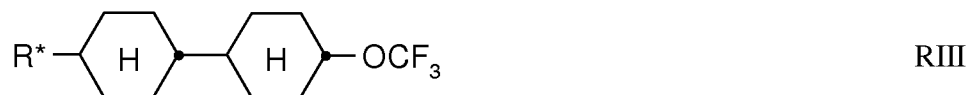




in which R^0 is H, n-alkyl, alkoxy, oxaalkyl, fluoroalkyl, alkenyloxy or alkenyl, each having up to 9 carbon atoms.

8. (Previously Presented) Liquid-crystalline medium according to Claim 1, it additionally comprising one or more compounds of the formulae RI to RVII





in which

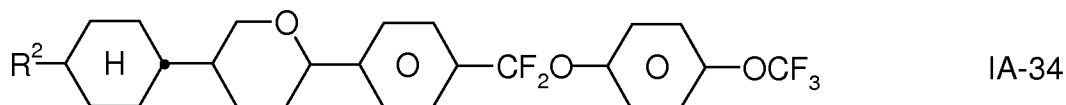
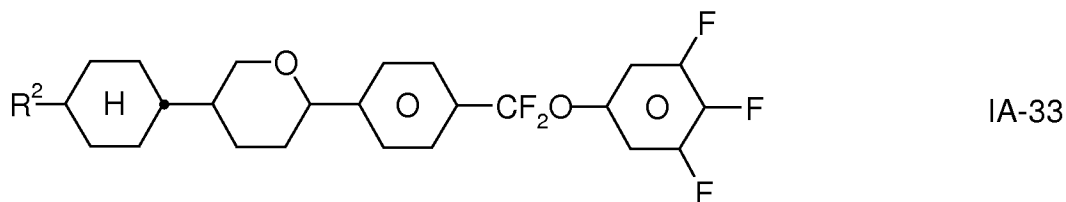
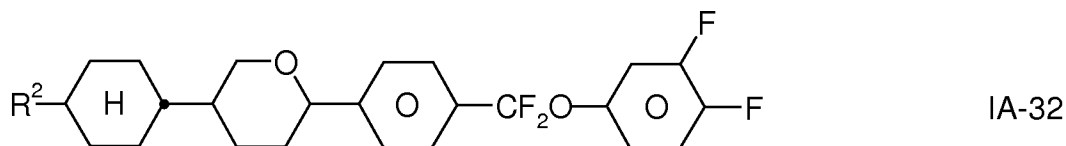
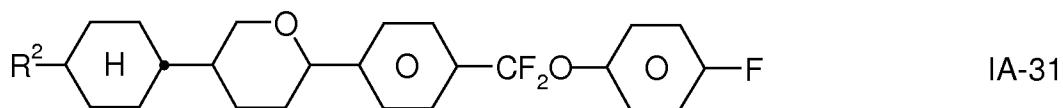
R^* is n-alkyl, alkoxy, oxaalkyl, fluoroalkyl or alkenyloxy, each having up to 9 carbon atoms, and

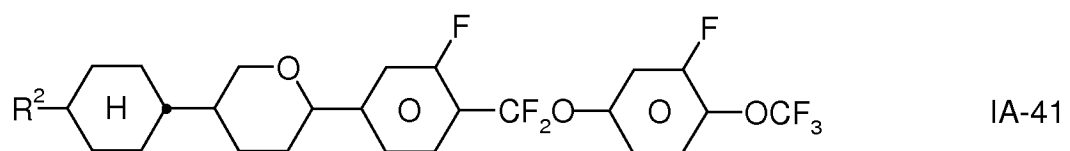
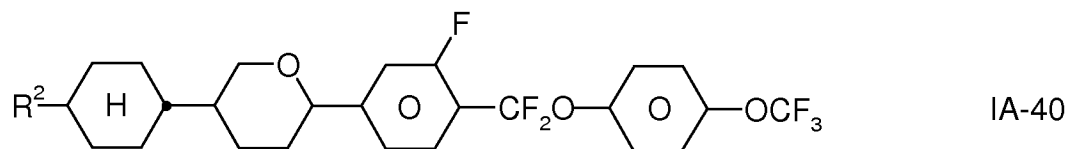
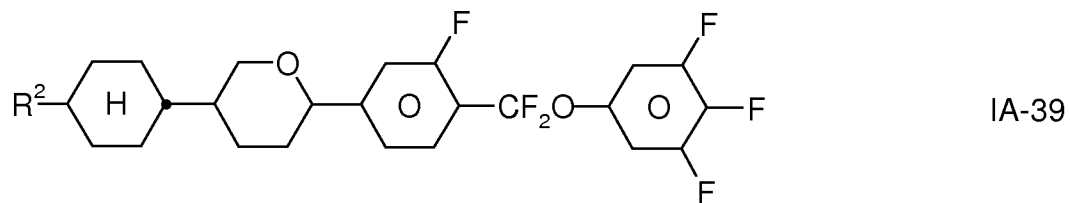
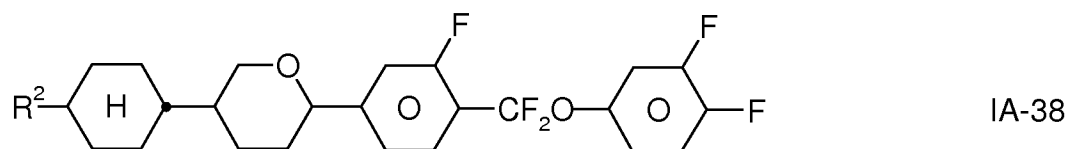
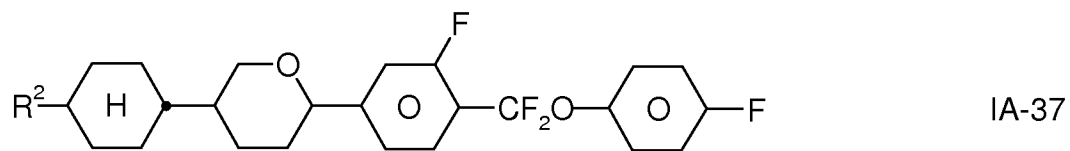
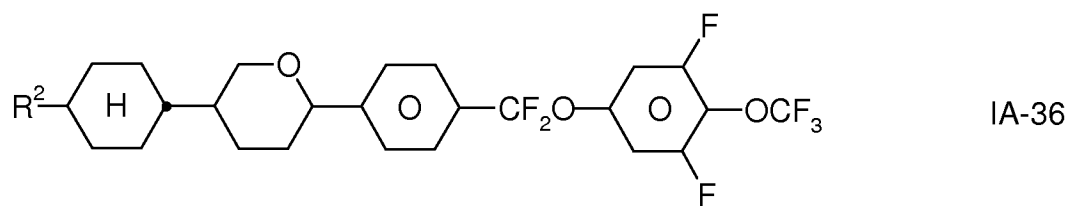
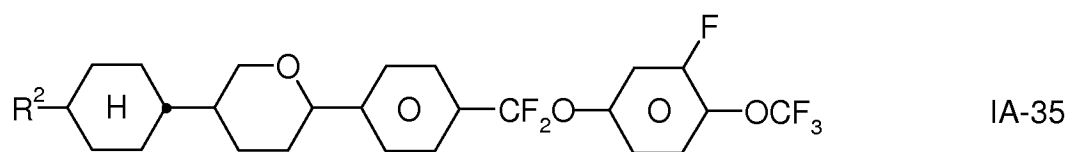
alkyl and

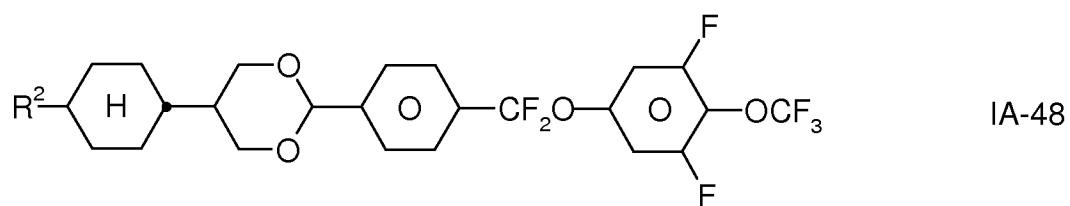
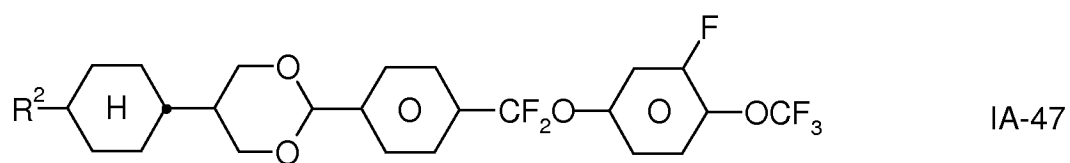
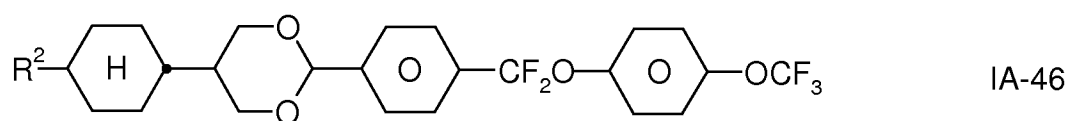
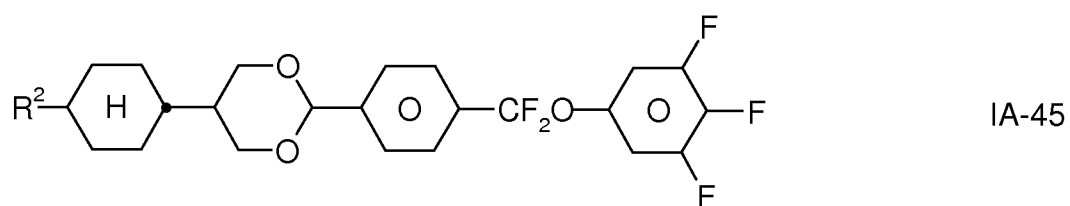
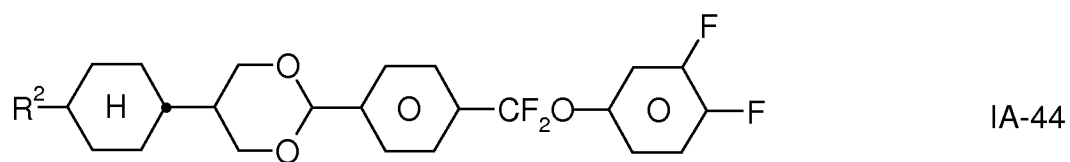
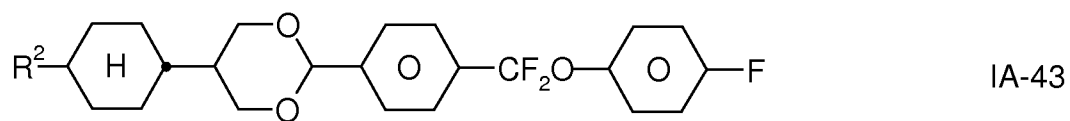
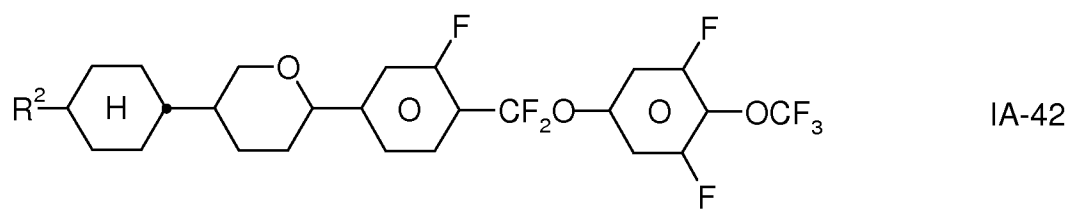
alkyl* are each, independently of one another, a straight-chain or branched alkyl radical having 1-9 carbon atoms.

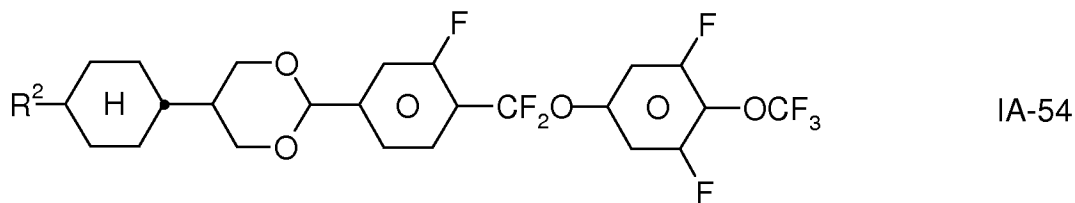
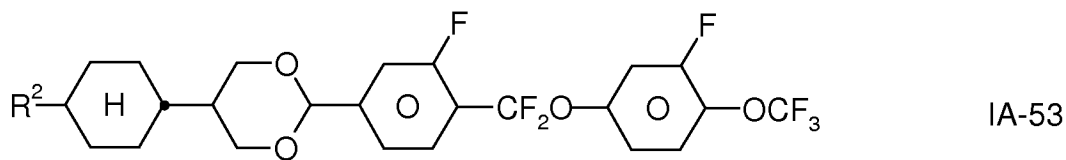
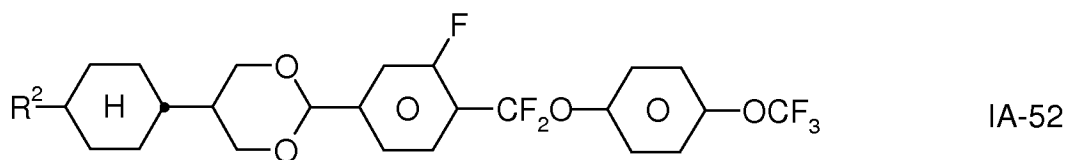
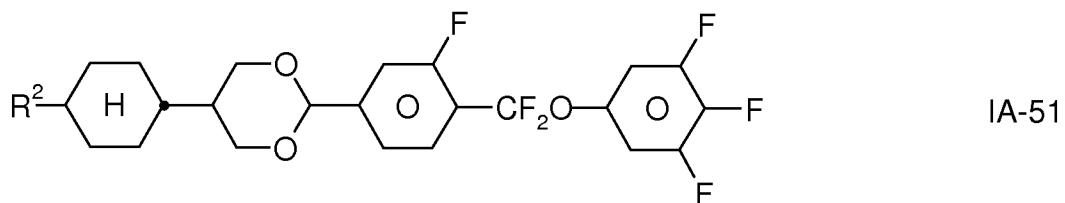
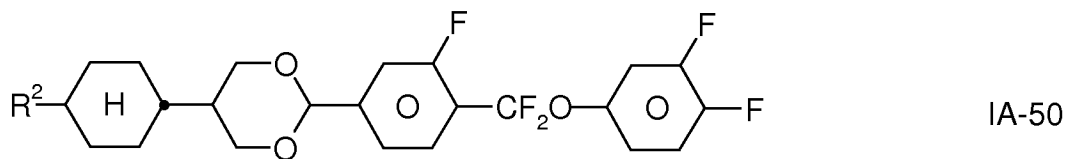
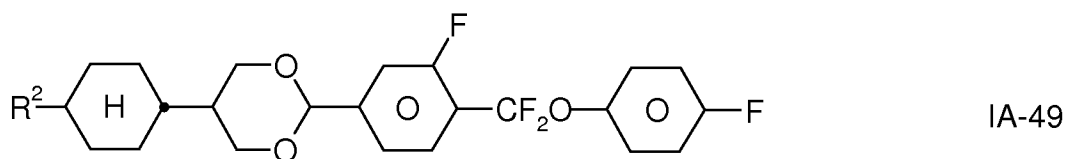
9. (Previously Presented) Liquid-crystalline medium according to Claim 1, wherein the proportion of compounds of the formula IA in the mixture as a whole is from 5 to 40% by weight.
10. (Canceled).
11. (Original) Electro-optical liquid-crystal display containing a liquid-crystalline medium according to Claim 1.

12. (New): A liquid crystal medium according to claim 1, wherein said medium has a nematic phase down to -40°C , a clearing point above 75°C , and a dielectric anisotropy values $\Delta\epsilon$ of ≥ 6 .
13. (New): A liquid crystal medium according to claim 1, wherein said medium has a flow viscosity ν_{20} at 20°C of $< 19 \text{ mm}^2\cdot\text{s}^{-1}$, a rotational viscosity γ_1 at 20°C of $< 120 \text{ mPa}\cdot\text{s}$, and a nematic phase range of at least 110° .
14. (New): A liquid crystal medium according to claim 2, wherein said medium contains one or more compounds selected from formulae IA-2, IA-5, IA-6, IA-14, and IA-15.
15. (New): A liquid crystal medium according to claim 2, wherein said medium contains one or more compounds selected from formula IA-15.
16. (New) Liquid-crystalline medium according to Claim 1, wherein said medium contains one or more compounds selected from formulae IA-31 to IA-54:



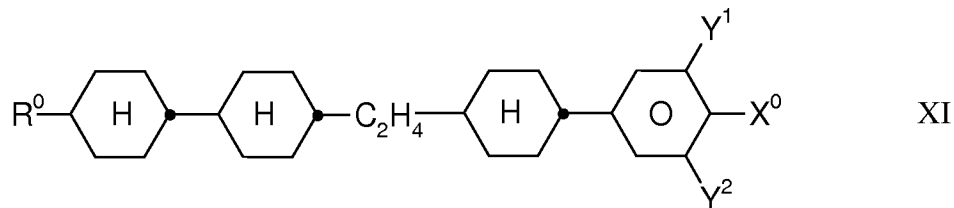
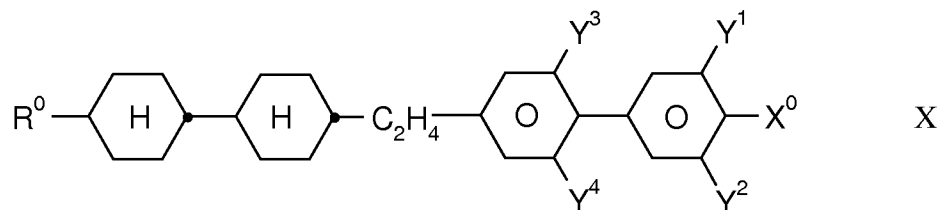
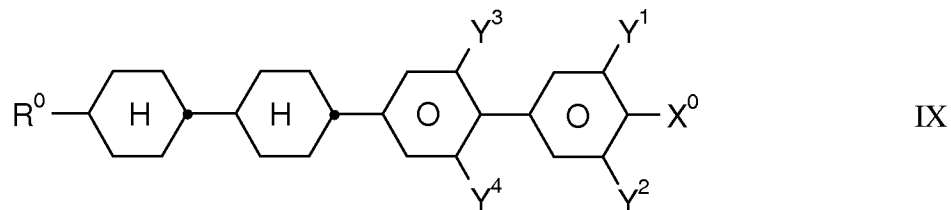
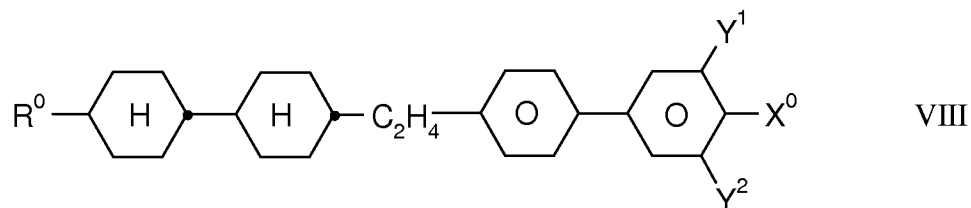
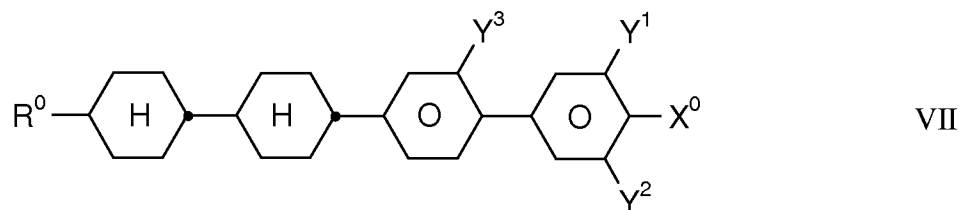


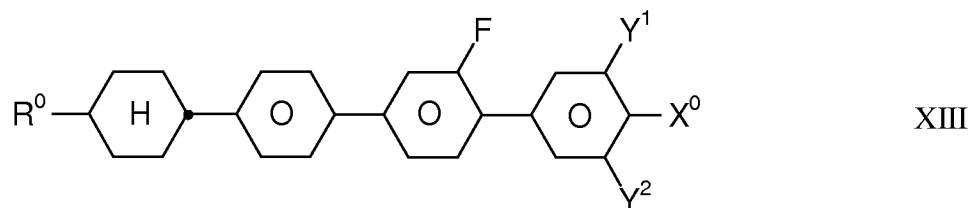
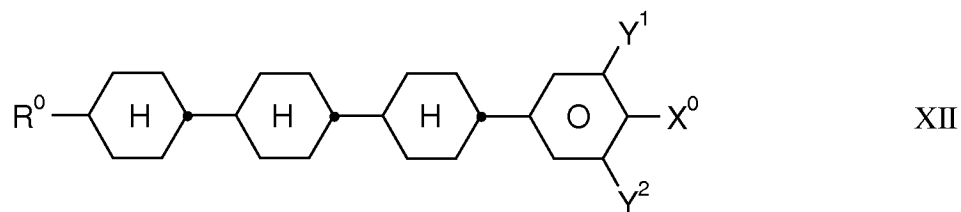




17. (New) Liquid-crystalline medium according to Claim 2, wherein R² in formulae IA and IA-1, IA-2, IA-4 to IA-17, and IA-19 to IA-30 is H, straight-chain alkyl having from 1 to 7 carbon atoms, 1E-alkenyl or 3-alkenyl.

18. (New) Liquid-crystalline medium according to Claim 16, wherein R^2 in formulae IA and IA-31 to IA-54 is H, straight-chain alkyl having from 1 to 7 carbon atoms, 1E-alkenyl or 3-alkenyl.
19. (New) Liquid-crystalline medium according to Claim 1, wherein said medium additionally comprises one or more compounds selected from formulae VII to XIII





in which

R^0 is H, n-alkyl, alkoxy, oxaalkyl, fluoroalkyl, alkenyloxy or alkenyl, each having up to 9 carbon atoms,

X^0 is F, Cl, or halogenated alkyl, halogenated alkenyl, halogenated alkenyloxy, or halogenated alkoxy, each having up to 6 carbon atoms,

Y^1 and Y^2 are each, independently of one another, H or F, and

Y^3 and Y^4 are each, independently of one another, H or F.

20. (New) Liquid-crystalline medium according to Claim 6, wherein the proportion of the compounds of the formulae Ea to Ef is 10-30% by weight.